

Acrylic Emulsion Polymerization Technology

技术持有人: 魏克海先生

Technology Holder: Mr. Wei Kehai

地址: 山东省淄博市张店区新村路东首

ADD: Xincun Road,Zhangdian,Zibo,Shandong,PRC

TEL: 8613953363746

FAX: 0533-2802284

P.C.: 255000

WEBPAGE: <http://www.acrylic-poly.com/>

<http://www.ruyejishu.cn/>

E-MAIL: houshuwei01@126.com

13953363746@139.com

EGM-202 High Temperature Curable Cross-linked Emulsion

■ Summary

EGM-202 high temperature curable cross-linked emulsion is composed of acrylic, methacrylic and its lipid monomer, functional monomer, fluorine monomer and siloxane. On this basis, a high performance emulsion made from self cross-linked monomer and functional waterborne additives was also prepared.

■ Physical and Chemical Indicators

Product	Project	Result
EGM-202 Emulsion	Appearance	White light blue transparent liquid
	PH	8~8.5
	Viscosity	200~1800 CPS
	Solid content	(48±1)%
	Freeze-thaw stability	-18℃ (Passed three times)
	Calcium ion stability	1:1 (Qualified)
	Mechanical stability	1800 r / min (30 minutes pass)
	Glass transition temperature	≤58℃
	Shelf life	6 months (5℃~25℃ storage)
Waterborne Paint [1]	Hardness (scratch resistance)	≥2H
	Chemical resistance	Excellent
	Gloss	High

Remark [1]: this kind of paint is made up of EGM-202 emulsion and titanium dioxide, color paste and auxiliary agent. Different preparation schemes may have different properties of paint.

■ Performance and Application

The product has high adhesion, hardness, chemical resistance, corrosion resistance, high gloss, scratch resistance and good handle after curing at high temperature. Mainly used for glass products, metal (galvanized sheet) surface, the surface of the car and high temperature curing of metal products. Environmental non-toxic, is an alternative to oily paint.